

PPPPPPPPPPPPP AAAAAAAA SSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTT LLL
PPPPPPPPPPPPP AAAAAAAA SSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTT LLL
PPPPPPPPPPPPP AAAAAAAA SSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
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PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
PPPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
PPPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
PPP AAAAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLL

FILEID**PASPFV

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PPPPPPPP	AAAAAA	SSSSSSS	PPPPPPPP	FFFFFFF	VV	VV
PPPPPPPP	AAAAAA	SSSSSSS	PPPPPPPP	FFFFFFF	VV	VV
PP PP AA	AA SS		PP PP FF	VV	VV	
PP PP AA	AA SS		PP PP FF	VV	VV	
PP PP AA	AA SS		PP PP FF	VV	VV	
PP PP AA	AA SS		PP PP FF	VV	VV	
PPPPPPPP	AA AA	SSSSS	PPPPPPPP	FFFFFFF	VV	VV
PPPPPPPP	AA AA	SSSSS	PPPPPPPP	FFFFFFF	VV	VV
PP AAAAAAAAAA		SS	PP FF	VV	VV	
PP AAAAAAAAAA		SS	PP FF	VV	VV	
PP AA AA		SS	PP FF	VV VV		
PP AA AA		SS	PP FF	VV VV		
PP AA AA		SSSSSSS	PP FF	VV		
PP AA AA		SSSSSSS	PP FF	VV		

....
....
....

RRRRRRRR	EEEEEEEEE	QQQQQ
RRRRRRRR	EEEEEEEEE	QQQQQ
RR RR EE	QQ	QQ
RR RR EE	QQ	QQ
RR RR EE	QQ	QQ
RR RR EE	QQ	QQ
RRRRRRRR	EEEEEEEEE	QQ
RRRRRRRR	EEEEEEEEE	QQ
RR RR EE	QQ	QQ
RR RR EE	QQ	QQ
RR RR EE	QQ	QQ
RR RR EE	QQ	QQ
RR RR EEEEEEEEEE	QQQQ	QQ
RR RR EEEEEEEEEE	QQQQ	QQ

! Pascal File Variable (PFV\$) field definitions
File: PASPFV.REQ, Edit: SBL1001

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Author: Steven B. Lionel, 1-April-1981

1-001 - Original. SBL 1-April-1981

+ The Pascal File Variable (PFV) is a dynamically allocated block whose
address is passed to the Run-Time Library to uniquely identify a file.
For more information, see the VAX-11 Language Support Procedures reference
Manual

! PFV structure definition

FIELD

PFV\$FIELDS =
SET

PFV\$R_PFV = [0,0,0,0]. ! Field to address the entire structure.
PFV\$A_BUFFER = [0,0,32,0]. ! Address of the user file buffer. If
! PFV\$V_RELBUF is set, this address is
! relative to the PFV address, otherwise
! it is absolute.
PFV\$B_VERSION = [4,0,8,0]. ! The version number of the PFV layout.
! The latest version number is defined by
! the symbol PFV\$K_CUR_VERSION.

PFV\$W_FLAGS	= [4,16,16,0],	Status flags which the Run-Time Library sets and clears to indicate the current status of the file.
PFV\$V_VALID	= [4,16,1,0],	Buffer is valid. If this bit is set, then the remaining status bits and the file buffer itself may be read by the compiled code. If clear, PASSLOOK_AHEAD must be called to make the information valid.
PFV\$V_DFB	= [4,17,1,0],	Buffer is defined. If set, the last file operation resulted in a "defined" file buffer by the semantics of Pascal. If clear, the file buffer is "undefined". If PFV\$V_EOF_DEFINED is set, EOF(f) is equivalent to .NOT. PAS\$V_DFB
PFV\$V_EOF_DEFINED	= [4,18,1,0].	EOF(f) is a valid test. After some file operations, EOF(f) is not a valid test to make. If this bit is set, EOF(f) is true if and only if PASSV_DFB is clear.
PFV\$V_EOLN	= [4,19,1,0].	File is at end-of-line.
PFV\$V_RELBUF	= [4,27,1,0].	PFV\$A_BUFFER address is relative to the PFV address. If clear, the address is absolute.
PFV\$V_RELPFD	= [4,28,1,0].	PFV\$A_PFD address is relative to the PFV address. If clear, the address is absolute.
PFV\$V_OPEN	= [4,29,1,0].	File is open.
PFV\$V_FCB_VALID	= [4,30,1,0].	This bit is set when PFV\$A_FCB contains the address of a valid FCB. If clear, PFV\$A_FCB contains the condition code for the last error to occur on that file.
PFV\$V_LOCK	= [4,31,1,0].	This is the interlock bit used by the Run-Time Library to prevent recursive I/O on the same file.
PFV\$A_PFD	= [8,0,32,0].	Address of the Pascal File Descriptor (PFD). If PFV\$V_RELPFD is set, this is relative to the PFV address, otherwise it is absolute.
PFV\$A_FCB	= [12,0,32,0].	Address of the Run-Time Library's internal File Control Block (FCB) for this file. This field must be initially zero! the Run-Time Library fills it in when the file is opened.
PFV\$L_STATUS	= [12,0,32,0]	A synonym for PFV\$A_FCB. If PFV\$V_FCB_VALID is clear, this field is used to store the condition

! code of the last error to occur on this
! file when the file was not open.

TES;

LITERAL

PFV\$K_CUR_VERSION = 0; ! Current version of PFV
PFV\$K_SIZE = 16; ! Size of PFV in bytes

MACRO

\$PASS\$PFV_FILE_VARIABLE = BLOCK [PFV\$K_SIZE, BYTE] FIELD (PFV\$FIELDS) %;

! End of file PASPFV.REQ

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